

**ABSTRACT OF THE DISCLOSURE**

A mobile communications system having a multi-level distributed frame selection and power control architecture includes a plurality of base station transceiver subsystems (BTSs) arranged in cells. Each base station transceiver subsystem (BTS) includes a capability for establishing a radio frequency interface with a subscriber unit in conjunction with a telephone call. A PSEL provides for implementing a power control and frame selection of compressed packet data in conjunction with the telephone call, the PSEL coupled to and being positioned proximate the plurality of base station transceiver subsystems. A router is coupled to the PSEL for routing compressed packet data to and from the PSEL. Lastly, a CSEL provides for implementing call processing and call management in conjunction with the telephone call, the CSEL coupled between the router and a prescribed mobile switching center (MSC) and further being positioned proximate the MSC, wherein the router is further for routing compressed packet data to and from the CSEL.

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